

Amendments To The Claims:

This listing of claims will replace all prior versions and listings of claims in this application:

Listing of the Claims

1. (Currently Amended) A method of displaying data from a data set in a tree map visualization, comprising:

prioritizing the data in the data set so as to associate a priority with respective elements of the data in the data set, where the associated priorities designate a desired sequence to the respective elements of the data set;

predefining a pattern that reflects a desired display pattern for the associated priority of the elements of the data in the data set;

generating the tree map visualization that positions within a display space, a combination of bounding boxes corresponding to the elements of the data in the data set and void regions where no information is displayed, such that based on the data set where a location of each bounding box [[boxes]] in the tree map visualization is based on the is arranged in priority order based upon the sequence designated by the priority associated with [[the]] its corresponding element and the predefined pattern and the void regions fill in the remainder of the display space where no bounding box is present; and

displaying the tree map visualization on a display device.

2. (Currently Amended) The method of claim 1, wherein predefining a pattern comprises defining the tree map visualization is generated so as to display the bounding boxes in a priority based pattern in the tree map visualization.

3. (Currently Amended) The method of claim 2, wherein defining a priority based pattern comprises defining a pattern the priority based pattern comprises a pattern with one of ascending or descending priority diagonally from top to bottom of the tree map visualization.

4. (Currently Amended) The method of claim 1, wherein prioritizing the data in the data set

comprises defining a priority value ~~the priority~~ associated with a respective element ~~[[is]]~~ based on a data value of the data element utilized in generating the tree map visualization.

5. (Currently Amended) The method of claim 1, wherein prioritizing the data in the data set comprises defining a priority value ~~the priority~~ associated with a respective element ~~[[is]]~~ based on a data value of the data element that is not utilized in generating the tree map.

6. (Currently Amended) The method of claim 1, wherein prioritizing the data in the data set comprises defining a priority value ~~the priority~~ associated with a respective element ~~[[is]]~~ based on metadata associated with the data element.

7. (Original) The method of claim 1, wherein prioritizing the data in the data set comprises assigning a unique priority value to each element in the data set.

8. (Currently Amended) The method of claim 1, wherein prioritizing the data in the data set comprises dynamically determining a priority value for each element. ~~determined.~~

9. (Currently Amended) The method of claim 1, wherein prioritizing the data in the data set comprises the priority associated with a respective element is statically defining a priority value for each element. ~~defined.~~

10. (Canceled)

11. (Currently Amended) A system for displaying a tree map visualization comprising:

a processor;

a memory device;

program code resident in the memory device, the program code executable by the processor to ~~to display on a display device, a plurality of bounding boxes, wherein a location of~~ ~~respective ones of the bounding boxes in the tree map visualization is based on corresponding~~ ~~priorities associated with the respective ones of the bounding boxes.~~

prioritize data in a data set so as to associate a priority with respective elements of the data in the data set, where the associated priorities designate a desired sequence to the respective elements of the data set;

predefine a pattern that reflects a desired display pattern for the associated priority of the elements of the data in the data set;

generate the tree map visualization that positions within a display space, a combination of bounding boxes corresponding to the elements of the data in the data set and void regions where no information is displayed, such that each bounding box in the tree map visualization is arranged in priority order based upon the sequence designated by the priority associated with its corresponding element and the predefined pattern and the void regions fill in the remainder of the display space where no bounding box is present; and

display the tree map visualization on a display device.

12. (Currently Amended) The system of claim 11, wherein a size of ~~[[a]]~~ each bounding box ~~in the plurality of bounding boxes~~ is based on a first data value associated with ~~[[the]]~~ that bounding box.

13. (Currently Amended) The system of claim 12, wherein a color and/or shade of ~~[[the]]~~ each bounding box is based on a second data value associated with ~~[[the]]~~ that bounding box.

14. (Currently Amended) The system of claim 13, wherein the priority corresponding to ~~[[the]]~~ each bounding box comprises a third data value associated with ~~[[the]]~~ that bounding box.

15. (Currently Amended) The system of claim 11, wherein the ~~plurality of~~ bounding boxes are arranged in one of ascending or descending priority from top to bottom of the tree map visualization.

16. (Canceled)

17. (Currently Amended) A system for displaying data from a data set in a tree map visualization, comprising:

~~processor means for prioritizing the data in the data set stored in a memory means so as to associate a priority with respective elements of the data in the data set~~ prioritizing the data in the data set so as to associate a priority with respective elements of the data in the data set, where the associated priorities designate a desired sequence to the respective elements of the data set and predefining a pattern that reflects a desired display pattern for the associated priority of the elements of the data in the data set, the processor means further for ~~generating the tree map visualization based on the data set in the memory means where a location bounding boxes in the tree map visualization is based on the priority associated with the corresponding element;~~ generating the tree map visualization that positions within a display space, a combination of bounding boxes corresponding to the elements of the data in the data set and void regions where no information is displayed, such that each bounding box in the tree map visualization is arranged in priority order based upon the sequence designated by the priority associated with its corresponding element and the predefined pattern and the void regions fill in the remainder of the display space where no bounding box is present; and display means for displaying the tree map visualization on a display device.

18. (Currently Amended) A computer program product for displaying data from a data set in a tree map visualization, comprising:

a computer-usable storage medium having computer readable program code embodied therewith, the computer readable program code comprising:

computer readable program code configured to prioritize the data in the data set so as to associate a priority with respective elements of the data in the data set, where the associated priorities designate a desired sequence to the respective elements of the data set;

computer readable program code configured to predefine a pattern that reflects a desired display pattern for the associated priority of the elements of the data in the data set;

computer readable program code configured to generate the tree map visualization that positions within a display space, a combination of bounding boxes corresponding to the elements of the data in the data set and void regions where no information is displayed, such that ~~based on the data set where a location of bounding boxes~~ each bounding box in the tree map visualization ~~is based on the~~ is arranged in priority order based upon the sequence designated by the priority associated with ~~[[the]]~~ its corresponding element and the predefined pattern and the void regions fill in the remainder of the display space where no bounding box is present; and

computer readable program code configured to display the tree map visualization on a display device.